



MICHIGAN DEPARTMENT OF TRANSPORTATION
State Long Range Plan
2000-2025

***Mobility is
Security***



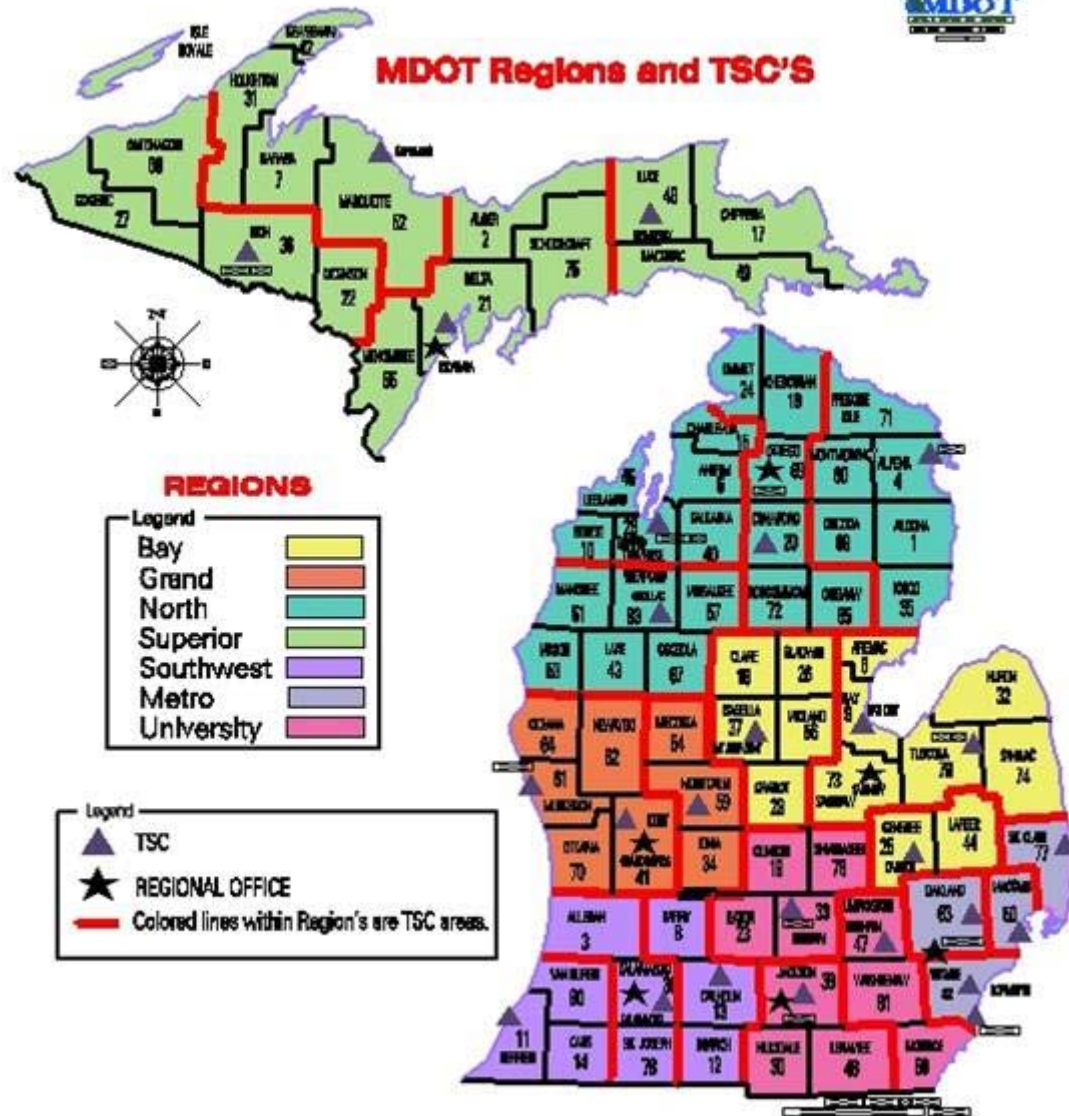
Mobility is Security **Michigan State Long Range Plan 2000-2025**

**June 15, 2005
Kellogg Center
Michigan State University
Campus
Peer Exchange**

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MDOT Regions and TSC'S



Michigan Institutional Framework for Planning

- Population
- System size
- Commission role
- Decision-making
- MDOT organization
- Asset management

State Long Range Plan



5 Year Program



STIP



**Annual Program
Announcement**

**Programs and STIP are
financially constrained**

Michigan Current Plan

Context

- Adopted August 2002
- Dow is down / Tech stocks down
- Post 9-11 anxiety
- Congestion growing
- Preservation needs growing

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Emphasis on the
Mobility–Security Linkage

Economic security

Safety of the system

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Demographics

- **Slow growth: population, households, VMT**
- **Employment trends**
- **Economic sectors—manufacturing, tourism, agriculture**

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Infrastructure Overview

- Highway condition—freeway, non-freeway
- Border crossings
- Bridge conditions
- Multi-modal assets / usage and condition
- Congestion—5 priority corridor projects

Annual Vehicle Miles of Travel (AVMT) on State Trunkline System

		2000			2025		
		In Billions	Percent of System	Percent of Total	In Billions	Percent of System	Percent of Total
Freeway System	UnCongested	24.3	83%	47%	29.3	80%	45%
	Congested	5.0	17%	10%	7.3	20%	11%
	Total	29.3	100%	57%	36.6	100%	56%
Non-Freeway System	UnCongested	20.5	92%	40%	24.9	86%	38%
	Congested	1.7	8%	3%	4.0	14%	6%
	Total	22.2	100%	43%	28.9	100%	44%
Total State Trunk-line System	UnCongested	44.8	87%		54.3	83%	
	Congested	6.7	13%		11.2	17%	
	Total	51.5	100%		65.5	100%	

Notes: 2025 AVMT figures are calculated using growth rates from the Statewide Travel Demand Model.

The rates are based on the change in number of trips assigned to each segment of the model using the trip tables.

Congested conditions are defined as Level of Service F. These conditions represent a volume-to-capacity ratio greater than or equal to 1.

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Transportation Issues

- Interpretation of trends
- Multi-modal perspective

Transportation Vision

- General

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Transportation Goals

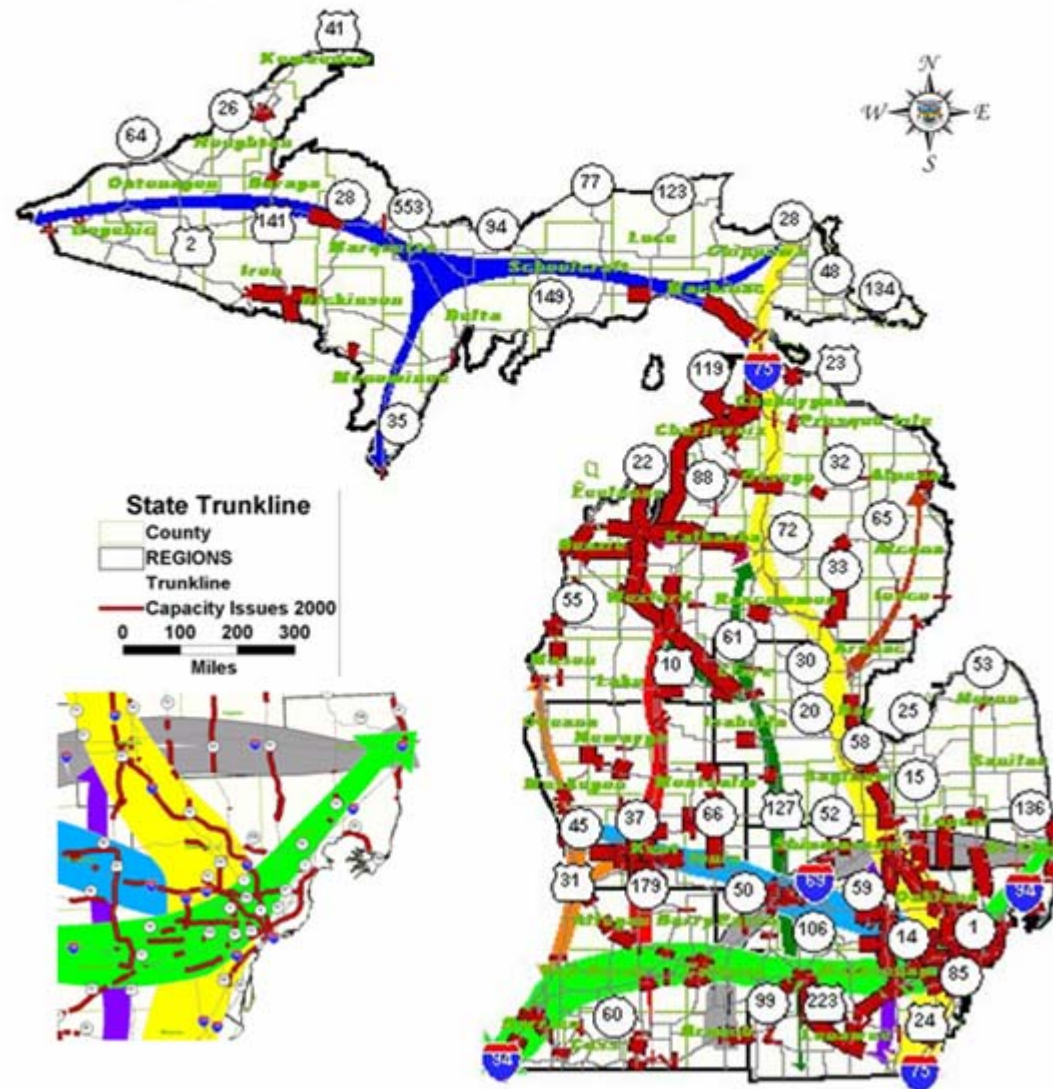
- **Preservation**
- **Promote safety and security**
- **Provide basic mobility**
- **Strengthen the State's economy**
- **Coordinate transportation services**
- **Improve inter-modal connections**
- **Environmental responsibility**

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Strategies

- **Asset Management**
- **Corridor of highest significance**
- **Congestion Management**
- **Others**

Trunkline Capacity Issues Corridors of Highest Significance Base Year 2000



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Performance Monitoring

- Existing data
- Limited number
- Practical focus

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“Investing to meet our goals”

- Concept of “ribbon charts”
- Identifies a gap
- Does not identify solutions to the gap

Michigan Current Plan

Recommendations

Confirmation of our goals, particularly:

- * preservation**
- * safety & security**
- * system modernization**
- * connectivity**

Issues for the Update

- **Integration of modes**
- **Preservation / capacity increase balance**
- **Safety and elderly mobility**
- **Borders and freight movements**
- **Economic impact of transportation investments**
- **Inclusion—interface with Summit results**

Issues for the Update

Setting a path forward for:

- **investment in the future**
- **Balancing policy and investment**
- **Constrained vs. unconstrained \$**

**Maximize the usefulness of the process
and the document**

**Further our asset management goals
(list is not all inclusive)**

Where are we in the SLRP Development Process?

Phase 1: Internal Organization 12/04-06/05

The Work Underway:

- **Team formation**
- **Kick off – December 2004, “Futuring” session”**
- **Work plan development**
- **Identify what elements should be in the SLRP**
- **Public involvement plan ready to be finalized**
- **Sub Teams formed: issues, data, others**
- **PEER Exchange**

Next Steps

Phase 2: Setting the Vision 06/05-12/05

- Create the Vision for the Integrated Transportation System we are planning for
- Analyze Statewide Trends & System Conditions
 - Historical Trends
 - Current Conditions
 - Forecasted
- Identify Threats and Opportunities
- Research and develop Issue Papers
- Identify Strategic Issues
- Each issue relates to all modes of the transportation system and its facilities and services
- Identify interrelationships between issues
- Identify Goals & Objectives
- Deploy Vision – Milestone

Phase 3: Create & Deploy Plan 01/06-05/07

- **Develop Effective Strategies**
- **Identify Corridors**
- **Set Priorities**
- **Adopt Strategies**
- **Identify Statewide Policies needed to implement plan**
 - **Short term – 10 years**
 - **Long term – 20 years**
- **Identify Investment requirements to implement plan**
 - **Short term – 10 years**
 - **Long term – 20 years**
- **Identify Performance Measurement**
- **Adopt Plan**
- **Deploy Plan**

Questions?